

# Claims

[c1] What is claimed is:

1.A transferring device for transmitting an image captured by a digital camera to a mobile phone, the digital camera comprising a housing and an outputting port which is installed on the housing of the digital camera and is a slave interface, the mobile phone comprising a housing and a receiving port which is installed on the housing of the mobile phone and is a slave interface, the transferring device comprising:

a housing;

a receiving module which is installed inside the housing of the transferring device and is a host interface for connecting to the outputting port of the digital camera and receiving image data from the digital camera;

a memory installed inside the housing of the transferring device for storing image data from the digital camera;

a control module installed inside the housing of the transferring device for controlling the transferring device; and

an outputting module which is installed inside the housing of the transferring device and is a host interface for connecting the receiving port of the mobile phone and

outputting image data from the digital camera to the mobile phone.

- [c2] 2.The transferring device of claim 1 wherein the receiving module contains a USB interface.
- [c3] 3.The transferring device of claim 1 wherein the receiving module contains a Pop-Port™ interface.
- [c4] 4.The transferring device of claim 1 wherein the outputting module contains a USB-OTG interface.
- [c5] 5.The image editing device of claim 1 wherein the outputting module contains a Pop-Port™ interface.
- [c6] 6.The transferring device of claim 1 wherein the outputting module communicates with the mobile phone in the Bluetooth wireless network protocol.
- [c7] 7.The transferring device of claim 1 wherein the outputting module communicates with the mobile phone by infrared technology.
- [c8] 8.The transferring device of claim 1 further comprises a plurality of control buttons installed on the housing of the transferring device for inputting a control signal.
- [c9] 9.The transferring device of claim 1 further comprising a power supply module installed inside the housing of the

transferring device for receiving external electric power and supplying electric power to the transferring device.

[c10] 10.A method for transmitting image data captured by a digital camera to a mobile phone, the digital camera comprising a housing and an outputting port which is installed on the housing of the digital camera and is a slave interface, the mobile phone comprising a housing and a receiving port which is installed on the housing of the mobile phone and is a slave interface, the method comprising:

providing a transferring device;

using the transferring device to receive image data captured by the digital camera from the outputting port of the digital camera; and

using the transferring device to transmit image data captured by the digital camera to the receiving port of the mobile phone.

[c11] 11.The method of claim 10 wherein the transferring device comprises:

a housing;

a receiving module which is installed inside the housing of the transferring device and is a host interface for connecting to the outputting port of the digital camera and receiving image data from the digital camera;

a memory installed inside the housing of the transferring

device for storing image data from the digital camera;  
a control module installed inside the housing of the  
transferring device for controlling the transferring de-  
vice; and

an outputting module which is installed inside the hous-  
ing of the transferring device and is a host interface for  
connecting the receiving port of the mobile phone and  
outputting image data from the digital camera to the  
mobile phone.

[c12] 12.The method of claim 11 wherein the receiving module  
contains a USB interface.

[c13] 13.The method of claim 11 wherein the receiving module  
contains a Pop-Port™ interface.

[c14] 14.The method of claim 11 wherein the outputting mod-  
ule contains a USB-OTG interface.

[c15] 15.The method of claim 11 wherein the outputting mod-  
ule contains a Pop-Port™ interface.

[c16] 16.The method of claim 11 wherein the outputting mod-  
ule communicates with the mobile phone in the Blue-  
tooth wireless network protocol.

[c17] 17.The method of claim 11 wherein the outputting mod-  
ule communicates with the mobile phone by infrared

technology.

- [c18] 18.The method of claim 11 wherein the transferring device further comprises a plurality of control buttons installed on the housing of the transferring device for inputting a control signal.
- [c19] 19.The method of claim 11 wherein the transferring device further comprises a power supply module installed inside the housing of the transferring device for receiving external electric power and supplying electric power to the transferring device.